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APPLICATION?	NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/823,751		04/03/2001	E. Jennings Taylor	28850-15CP2	CP2 9120	
42103	7590	11/09/2004		EXAMINER		
	PSON HIN		LEADER, WILLIAM T			
2000 COURTHOUSE PLAZA N.E. 10 WEST SECOND STREET				ART UNIT	PAPER NUMBER	
DAYTO	N, OH 454	402-1758		1742		
				DATE MAILED: 11/09/2004	DATE MAILED: 11/09/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary    Examiner		Application No.	Applicant(s)							
William T. Leader   1742		09/823,751	TAYLOR ET AL.							
The MAILING DATE of this communication appears on the cover sheet with the correspondence address — Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  Editional to the major is periodical under the processor of 3 CFR 1.13(ig.). In or ovent, however, may a reply be fimely filed  If the period for reply specified above, the maximum card of 3 CFR 1.13(ig.). In or ovent, however, may a reply be fimely filed  If the period for reply specified above, the maximum datatopy period will approx and valle against (s) (MONTHS filem the mailing data of this communication.  Any reply received by the Office lated files the correction of the mailing data of the communication to become ABANCONED (35 U.S.C. § 133).  Any reply received by the Office lated files the correction of the mailing data of the communication to become ABANCONED (35 U.S.C. § 133).  Any reply received by the Office lated files the mailing data of the communication to become ABANCONED (35 U.S.C. § 133).  Any reply received by the Office lated files the mailing data of the communication to become ABANCONED (35 U.S.C. § 133).  This action is FINAL.  2b)☑ This action is finAl.  2c)iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii	Office Action Summary	Examiner	Art Unit							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MALLING DATE OF THIS COMMUNICATION.  1 Estations or fire may be acided about the two invarious of 3 CFR 1, 136(a). In no event, however, may a reply be timely fled aller's SK (6) MONTHS from the making date of this communication.  2 If the seriod for reply is apecified about, the invarious metalutory period will apply and will expire SK (6) MONTHS from the making date of this communication.  3 If the seriod for reply is apecified about, the making make of the communication of the property is apecified about, the making date of this communication.  4 If the seriod for reply is apecified about, the making date of the scammanication, even if the third the making date of the scammanication, even if the property of the communication of the property of the communication of the property of the communication of the communication of the property of the communication of the property of the communication of the property of the property of the communication of the property of the property of the communication of the property of the prope										
THE MAILING DATE OF THIS COMMUNICATION.  - Editions of them may be available under the procession of 37 CFR 1.136(a). In no event, however, may a raply be timely filed  - If the period for analy spacified above is been with process.  - If the period for analy spacified above is the same filed (and the period for analy spacified above. Be maximus disulatory period along by and with early as (f) (mMONTs for the making date of fits communication reply is spacified above. Be maximus disulatory period along by and with early as (f) (mMONTs for the making date of fits communication, event if unity) filed, may reduce any various part from the making date of fits communication, event if unity) filed, may reduce any various part from the making date of fits communication, event if unity) filed, may reduce any various part from the process of	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply									
1) Responsive to communication(s) filed on 08 July 2004.  2a) This action is FINAL. 2b) This action is non-final.  3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4) Claim(s) 1-30 is/are pending in the application.  4a) Of the above claim(s) 16-21 is/are withdrawn from consideration.  5) Claim(s) is/are allowed.  6) Claim(s) is/are allowed.  7) Claim(s) is/are objected to.  Replication Papers  9) The specification is objected to by the Examiner.  10) The drawing(s) filed on is/are: a) cocepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.  Priority under 35 U.S.C. § 119  12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received in Application No.  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  *See the attached detailed Office action for a list of the certified copies not received.  Attachment(s)  1) Notice of Draftsperson's Patent Drawing Review (PTO-948)  3) Intometory Internation (PTO-152)	THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any									
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## **DETAILED ACTION**

1. Receipt of the papers filed on July 8, 2004, is acknowledged. The amendment has overcome the objection to the specification.

## Terminal Disclaimer

- 2. The terminal disclaimer is not proper. It is directed to a particular claim or claims, which is not acceptable, since "the disclaimer must be of a terminal portion of the term of the entire [patent or] patent to be granted." See MPEP § 1490.
- 3. Examples of acceptable language for making the disclaimer of the terminal portion of any patent granted on the subject application follow:
- I. If a Provisional Obviousness-Type Double Patenting Rejection Over A Pending Application was made, use:

Petitioner hereby disclaims, except as provided below, the terminal part of any patent granted on the instant application, which would extend beyond the expiration date of any patent granted on Application No. \_\_/\_\_\_\_\_, filed on \_\_\_\_\_\_\_, as shortened by any terminal disclaimer. Petitioner hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and any patent granted on the above-listed application are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the grantee, its successors, or assigns.

II. If an Obviousness-Type Double Patenting Rejection Over A Prior Patent was made, use:

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Alternatively, Form PTO/SB/25 may be used for situation I, and Form PTO/SB/26 may be used for situation II; a copy of each form may be found at the end MPEP Chapter 1400.

## Double Patenting

- 4. Inasmuch as the terminal disclaimer filed on July 8, 2004, is not acceptable, the double patent rejections set forth in the previous office action are repeated below. It is noted that the second double patenting rejection as written in the previous action, inadvertently listed the same patent number as the first double patenting rejection. This error has been corrected below. The instant claims are rejected as being unpatentable over the claims of both U.S. Patent No. 6,319,384 and U.S. Patent No. 6,203,684.
- 5. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

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- 6. Claim1-15 and 22-30 are rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-24 of U.S. Patent No. 6,319,384. Although the conflicting claims are not identical, they are not patentably distinct from each other because the claims are substantially the same, the main difference being that the range of frequency of the train of pulses recited in the patent is from about 10 Hertz to about 12,000 Hertz while the range of frequency of the pulses recited in instant claim 1 is fro about 10 Hertz to about 5,000 Hertz. Choice of a narrower range within the previously claimed range is an obvious modification.
- 7. Claims 1-15 and 22-30 are rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-21 of U.S. Patent No. 6,203,684. Although the conflicting claims are not identical, they are not patentably distinct from each other because the claims of the instant application are broader than, and substantially encompass the scope of the claims in the '684 patent. Independent claim 1 of the '684 patent recites that the electric current is passed "for an essentially continuous period of time until microscopic depressions on said microrough surface have been filled with said "metal", and further recited that "said plating bath is substantially devoid of leveling agents". These two limitations have been omitted from the instant claims, thereby broadening their scope.

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Any inquiry concerning this communication or earlier communications from

the examiner should be directed to William T. Leader whose telephone number is

571-272-1245. The examiner can normally be reached on Mondays-Thursdays and

alternate Fridays, 7:30-4:00.

If attempts to reach the examiner by telephone are unsuccessful, the

examiner's supervisor, Roy King, can be reached on 571-272-1244. The fax phone

number for the organization where this application or proceeding is assigned is 703-

872-9306.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR

only. For more information about the PAIR system, see http://pair-direct.uspto.gov.

Should you have questions on access to the Private PAIR system, contact the

Electronic Business Center (EBC) at 866-217-9197 (toll-free).

William Leader August 20, 2004

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ROY KING P SUPERVISORY PATENT EXAMINER

TECHNOLOGY CENTER 1700